

## **AMENDMENTS TO THE CLAIMS:**

The listing of claims will replace all prior versions, and listings of claims in the application:

### **LISTING OF THE CLAIMS**

~~1-22~~ 1-24. (Cancelled).

<sup>23</sup>  
~~25.~~ (New) Sleeve with multiple layer construction for printing presses having a king rolls designed as air cylinders, the sleeve comprising an inner tube of reversibly expandable plastic material, an inner diameter of which is smaller than an outer diameter of the king roll; an elastic, compressible intermediate layer that accommodates radial expansion of the inner tube during mounting or dismounting of the sleeve; an outer layer; and a support structure integrated into the sleeve construction between the inner tube and the outer layer, which completely penetrates the compressible intermediate layer in at least one location in a radial direction and stabilises the outer layer relative to the inner tube in a circumferential direction and/or the radial direction.

<sup>24</sup>  
~~26.~~ (New) Sleeve in accordance with Claim 25, wherein the support structure comprises radial struts distributed circumferentially in a symmetrical manner.

<sup>25</sup>  
~~27.~~ (New) Sleeve in accordance with Claim 26, wherein the compressible layer is intermitted by radial holes and the support structure is provided in the radial holes and partially bridges the compressible layer.

<sup>26</sup>  
~~28.~~ (New) Sleeve in accordance with Claim 25, wherein the support structure includes rings concentrically surrounding the inner tube.

<sup>27</sup>  
~~29.~~ (New) Sleeve in accordance with Claim 28, wherein the compressible layer is intermitted by concentric, ring-shaped recesses, which are turned recesses, and the support structure is provided in the recesses and partially bridges the compressible layer.

<sup>28</sup>  
~~30.~~ (New) Sleeve in accordance with Claim 25, further comprising a single ply or multiple ply transition layer of a plastic material of low density is provided between the outer layer and the compressible intermediate layer

<sup>29</sup>  
~~31.~~ (New) Sleeve in accordance with Claim 25, wherein the outer layer comprises a plastic material of low density.

<sup>30</sup>  
~~32.~~ (New) Sleeve in accordance with Claim 30, wherein the transition layer and/or the outer layer comprises a material that can be cast or foamed.

<sup>31</sup>  
~~33.~~ (New) Sleeve in accordance with Claim 30, wherein the support structure comprises the same material as the material of the transition layer or the material of a bottom-most ply of the transition layer and is formed at the same time as the transition layer is foamed or cast.

<sup>32</sup>  
~~34.~~ (New) Sleeve in accordance with Claim 26, wherein the radial struts comprise the same material as the outer layer and are formed during casting or introducing of the outer layer.

<sup>33</sup>  
~~35.~~ (New) Sleeve in accordance with Claim 28, wherein the rings comprise the same material as the outer layer and are formed during casting or introducing of the outer layer.

<sup>34</sup>  
~~36.~~ (New) Sleeve in accordance with Claim 28, wherein the rings comprise metal, a thermoplastic or a thermosetting plastic and are implemented in a number of parts.

<sup>35</sup>  
~~37.~~ (New) Sleeve in accordance with Claim 27, wherein the radial struts comprise a plastic material introduced into the radial holes.

<sup>36</sup>  
~~38.~~ (New) Sleeve in accordance with Claim 29, wherein the rings comprise a plastic material introduced into the recesses, such as a cast or filler mass, or similar.

<sup>37</sup>  
~~39.~~ (New) Sleeve in accordance with Claim 26, wherein the radial struts of the support structure are formed at a distance from both end faces of the sleeve.

<sup>38</sup>  
~~40.~~ (New) Sleeve in accordance with Claim 25, wherein at least one partial depression is formed on an inner circumference of the inner tube.

<sup>39</sup>  
~~41.~~ (New) Sleeve in accordance with Claim 40, wherein the axial length of the at least one depression is greater than the axial width of the support structure formed radially aligned with the at least one depression on an outer surface of the inner tube.

<sup>40</sup>  
~~42.~~ (New) Sleeve in accordance with Claim 40, wherein the at least one depression consists of circumferential grooves and the support structure includes concentric rings.

<sup>41</sup>  
~~43.~~ (New) Sleeve in accordance with Claim 25, wherein the sleeve is an adapter sleeve on which a printing sleeve or similar can be installed.

<sup>42</sup>  
~~44.~~ (New) Sleeve in accordance with Claim 25, further comprising a conductive or diverting outer layer or surface coating, and an electroconductive or diverting element, which connects an outer layer or surface coating at an inner circumference of the inner tube with an outer wall of the king roll for diverting electrostatic chargings into the king roll.

<sup>43</sup>  
~~45.~~ (New) Sleeve in accordance with Claim 44, wherein the element comprises a variable length in the radial direction.

<sup>44</sup>  
~~46.~~ (New) Sleeve in accordance with Claim 44, wherein the element is integrated into the support structure.

<sup>45</sup>  
~~47.~~ (New) Method for the manufacture of a sleeve with a multiple layer structure for printing presses with king rolls designed as air cylinders, the method comprising manufacturing a reversible, elastic inner tube; applying a compressible intermediate layer on an outer surface of the inner tube; applying an outer layer; and forming recesses or radial holes in the compressible intermediate layer before the

applying of the outer layer, which holes or recesses are filled with a material when these are applied, whereby a ring-shaped or web-shaped support structure is formed in the sleeve, which stabilises the outer layer relative to the inner tube in the circumferential and/or radial direction.

<sup>46</sup>  
~~48.~~ (New) Method in accordance with Claim 47, further comprising forming depressions on an inner circumference of the inner tube and the recesses or radial holes are arranged with the depressions radially aligned in the compressible layer.

<sup>47</sup>  
~~49.~~ (New) Method for the manufacture of a sleeve with a multiple layer structure for printing presses with king rolls designed as air cylinders, the method comprising manufacturing a reversible, elastic inner tube; applying a compressible intermediate layer on an outer surface of the inner tube; applying a single or multiple ply transition layer of a low density material that can be cast or foamed on an outer surface of the intermediate layer; applying an outer layer on an outer surface of the transition layer; and forming recesses or radial holes in the compressible intermediate layer before the applying of the transition or outer layer, which holes or recesses are filled with the material of the transition or outer layer when these are applied, or with an additional material, whereby a ring-shaped or web-shaped support structure is formed in the sleeve, which stabilises the outer layer relative to the inner tube in the circumferential and/or radial direction.